Mr. Jeffrey A. Woodring, P.E.
Grissom Air Reserve Base
434 ARW/CC, Building 667
Grissom Air Reserve Base , Indiana 46971-5000

Re: **103-11655**
First Administrative Amendment to
Part 70 103-7426-00008

Dear Mr. Woodring:

Grissom Air Reserve Base was issued a permit on December 1, 1999 for a military base. A letter requesting a change was received on November 19, 1999. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

Grissom Air Reserve Base will be moving two (2) painting areas to different locations at Grissom Air Reserve Base. The painting activities currently occurring in Nose Dock 2 will be moved to Nose Dock 3. The insignificant painting activities currently occurring in Nose Dock 1 will be moved to Nose Dock 2. No equipment was installed and no construction occurred in moving these operations. There is no change in the potential to emit from this source. The Part 70 Operating Permit is changed as follows:

The emission unit description under A.2(j) and the facility description box in Section D.2 have been revised as follows:

(j) One (1) paint area, located in ~~Nose Dock 2~~ **Nose Dock 3**, using the HVLP spray applicators, rollers and brushes existing at building 453, used for coating the interior parts of planes that cannot be removed for painting at building 453, with coating operations beginning in the summer of 1996, capacity: 12 planes per year.

The emission unit description under A.3(s) and the facility description box in Section D.6 have been revised as follows:

(s) Activities or categories of activities with HAP emissions greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs:

(1) Installation of compass and global positioning equipment and replacing radar equipment on Air Force planes in ~~Nose Dock 1~~ **Nose Dock 2** (including painting operations). [326 IAC 6-3]

Conditions D.2.1, D.2.3, D.2.4, D.2.5 and D.2.11 have been revised to reference Nose Dock 3 instead of Nose Dock 2 as follows:

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

(a) The VOC usage at the one (1) spray paint booth, located in building 453, shall be limited to less than 25 tons per twelve (12) consecutive months, based on a monthly rolling total.

This will result in VOC emissions of less than 25 tons per year. Therefore, the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating), are not applicable.

(b) The VOC usage at the one (1) paint area, located in ~~Nose Dock 2~~ **Nose Dock 3**, shall be limited to less than 15 pounds per day. This will result in VOC emissions of less than 15 pounds per day. Therefore, the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating), are not applicable.

(c) Any change or modification at the one (1) paint area, located in Nose Dock 6, that results in coating metal parts other than the exterior of airplanes may result in the applicability of 326 IAC 8-2-9 (Miscellaneous Metal Coating), and shall require prior approval by IDEM, the Office of Air Management.

(d) The requirement from the registration, issued on October 26, 1989, for the aircraft maintenance facility, including a spray booth capable of painting one unit (aircraft panel) per hour, a stripping area capable of paint stripping two units per hour, and a fiberglass shop capable of cutting and sanding one unit per hour in building 453, that any change or modification which may increase the potential emissions to 25 tons of particulate matter or volatile organic compounds (VOC) per year or more from the equipment covered in this letter must be approved by the Office of Air Management before such change may occur, is not incorporated into this permit because, although there have been no changes to the painting area in Building 453, calculated potential emissions are greater than 25 tons per year of VOC. The source has limited emissions to less than 25 tons per year. Therefore, there is a limitation on emissions of less 25 tons per year of VOC in (a) of this condition.

D.2.3 PSD Minor Modification [326 IAC 2-2] [40 CFR 52.21]

Any change or modification at the one (1) paint area, located in ~~Nose Dock 2~~ **Nose Dock 3**, or the one (1) paint area located in Nose Dock 6, that results in VOC emissions of 40 tons per year or more, PM emissions of 25 tons per year or more, or PM_{10} emissions of 15 tons per year or more will make the paint area a major modification to an existing major source, pursuant to 326 IAC 2-2, and will require prior approval.

D.2.4 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2, the PM from the one (1) spray paint booth located in building 453, the one (1) paint area located in ~~Nose Dock 2~~ **Nose Dock 3** and the one (1) paint area located in Nose Dock 6 shall be limited by the following shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.5 Hazardous Air Pollutants (HAPs)

(a) The total HAP usage at the one (1) spray paint booth, located in building 453, one (1) paint area located in ~~Nose Dock 2~~ **Nose Dock 3** and the one (1) paint area located in Nose Dock 6, shall be limited to no more than 17.6 tons per twelve (12) consecutive months, based on a monthly rolling total. This will result in total HAP emissions of no more than 17.3 tons per year from these facilities and total HAP emissions of less than 25 tons per year from the entire source.

(b) The combined total usage of each individual hazardous air pollutant at the one (1) spray paint room in building 453, one (1) paint area at ~~Nose Dock 2~~ **Nose Dock 3**, and one (1) paint area at Nose Dock 6 shall be limited to less than 9 tons per twelve (12) consecutive months, based on a monthly rolling total. The total usage of Methyl isobutyl ketone (MIBK) at the one (1) spray paint room in building 453, one (1) paint area at ~~Nose Dock 2~~ **Nose Dock 3**, and one (1) paint area at Nose Dock 6 shall be limited to less than 8.92 tons per twelve (12) consecutive months, based on a monthly rolling total, and the total usage of Hexane at the one (1) spray paint room in building 453, one (1) paint area at ~~Nose Dock 2~~ **Nose Dock 3**, and one (1) paint area at Nose Dock 6 shall be limited to less than 7.75 tons per twelve (12) consecutive months, based on a monthly rolling total. This will result in emissions of each individual hazardous air pollutant of less than 9 tons per year and total individual HAP emissions of less than 10 tons per year from the entire source.

As a result of these limitations, the requirements of 40 CFR Part 63, Subpart GG, are not applicable.

D.2.11 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1(a) and D.2.5, the Permittee shall maintain records at the one (1) spray paint booth located in building 453, one (1) paint area at ~~Nose Dock 2~~ **Nose Dock 3**, and one (1) paint area at Nose Dock 6 in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits established in Conditions D.2.1(a) and D.2.5.

(1) The amount and VOC and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month;

(4) The total VOC and HAP usage for each month; and

(5) The weight of VOCs and HAPs emitted for each compliance period.

(b) To document compliance with Condition D.2.1(b), the Permittee shall maintain records at the one (1) paint area located in ~~Nose Dock 2~~ **Nose Dock 3**, in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken daily and shall be com-

plete and sufficient to establish compliance with the VOC usage limits established in Condition D.2.1(b).

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each day;

(4) The total VOC usage for each day; and

(5) The weight of VOCs emitted for each compliance period.

(c) To document compliance with Condition D.2.10, the Permittee shall maintain a log of weekly overspray observations and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

In Section D.6, Condition D.6.4 has been revised to reference Nose Dock 2 instead of Nose Dock 1 as follows:

D.6.4 Particulate Matter (PM) [326 IAC 6-3]

(a) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the paint operations in ~~Nose Dock 1~~ **Nose Dock 2** shall not exceed allowable PM emission rate based on the following equations:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the grinding and machining operations, four (4) media blasters, and the brazing, cutting , soldering, and welding shall not exceed allowable PM emission rate based on the following equations:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

The quarterly reporting forms have been revised accordingly. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact CarrieAnn Ortolani, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments
CAO/MES
cc: File - Miami County
U.S. EPA, Region V
Air Compliance Section Inspector - Jennifer Schick
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 OPERATING PERMIT
OFFICE OF AIR MANAGEMENT

Grissom Air Reserve Base
434 ARW/CC, Building 667
Grissom Air Reserve Base, Indiana 46971-5000

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 103-7426-00008	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: December 1, 1999

First Administrative Amendment: 103-11655-00008	Pages Affected: 7, 8, 36, 37, 38, 39, 43, 45, 51, 53 and 54
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

(g) One (1) grit blast room, located in building 426, constructed in 1989, equipped with a baghouse, capacity: 767 pounds of grit per hour.

(h) One (1) bulk POL system, constructed in 1990, consisting of the following:

(1) Six (6) horizontal underground JP-8 storage tanks, known as 736-1, 736-2, 736-3, 736-4, 736-5 and 736-6, installed in 1954, capacity: 50,000 gallons, each.

(2) Four (4) vertical above ground JP-8 storage tanks, known as 400, 401, 402 and 403 installed in 1957, capacity: 590,000 gallons, each.

(3) One (1) vertical above ground JP-8 storage tank, known as 406, installed in 1961, capacity: 1,050,000 gallons.

(4) Two (2) horizontal above ground storage tanks, known as 381 and 382, installed in 1991, capacity: 25,000 gallons of propylene glycol, each.

(i) One (1) boiler, fired by natural gas and no. 2 fuel oil, identified as B592, replacing an old boiler in 1997, equipped with a low NO_x burner, capacity: 5.02 million British thermal units per hour when operating on natural gas and 6.29 million British thermal units per hour when operating on no. 2 fuel oil.

(j) One (1) paint area, located in Nose Dock 3, using the HVLP spray applicators, rollers and brushes existing at building 453, used for coating the interior parts of planes that cannot be removed for painting at building 453, with coating operations beginning in the summer of 1996, capacity: 12 planes per year.

(k) One (1) paint area, located in Nose Dock 6, using the HVLP spray applicators, rollers and brushes existing at building 453, with coating operations beginning in August of 1995, capacity: 52 airplane exteriors per year.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(b) Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) British thermal units per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.

(c) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British thermal units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British thermal units per hour.

(d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.

(e) VOC and HAP storage tanks with capacities less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. Several cold cleaner degreasing units using only non-halogenated solvents. [326 IAC 8-3-2][326 IAC 8-3-5]

(g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3]

(h) Groundwater oil recovery wells.

(i) Any operation using aqueous solutions containing less than one percent (1%) by weight of VOCs excluding HAPs.

(j) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.

(k) Paved and unpaved roads and parking lots with public access.

(l) Asbestos abatement projects regulated by 326 IAC 14-10.

(m) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(n) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(o) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(p) On-site fire and emergency response training approved by the department.

(q) Emergency generators as follows:

Gasoline generators not exceeding 110 horsepower.
Diesel generators not exceeding 1,600 horsepower.
Natural gas turbines or reciprocating engines not exceeding 16,000 horsepower.

(r) Grinding and machining operations controller with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3]

(s) Activities or categories of activities with HAP emissions greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs:

(1) Installation of compass and global positioning equipment and replacing radar equipment on Air Force planes in Nose Dock 2 (including painting operations). [326 IAC 6-3]

(2) Fuel cell repair

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(f) One (1) spray paint booth, located in building 453, constructed in 1989, equipped with eight (8) high volume low pressure (HVLP) spray guns and one (1) electrostatic HVLP spray gun, capacity: 1 aircraft panel per hour.

(j) One (1) paint area, located in Nose Dock 3, using the HVLP spray applicators, rollers and brushes existing at building 453, used for coating the interior parts of planes that cannot be removed for painting at building 453, with coating operations beginning in the summer of 1996, capacity: 12 planes per year.

(k) One (1) paint area, located in Nose Dock 6, using the HVLP spray applicators, rollers and brushes existing at building 453, with coating operations beginning in August of 1995, capacity: 52 airplane exteriors per year.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

(a) The VOC usage at the one (1) spray paint booth, located in building 453, shall be limited to less than 25 tons per twelve (12) consecutive months, based on a monthly rolling total. This will result in VOC emissions of less than 25 tons per year. Therefore, the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating), are not applicable.

(b) The VOC usage at the one (1) paint area, located in Nose Dock 3, shall be limited to less than 15 pounds per day. This will result in VOC emissions of less than 15 pounds per day. Therefore, the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating), are not applicable.

(c) Any change or modification at the one (1) paint area, located in Nose Dock 6, that results in coating metal parts other than the exterior of airplanes may result in the applicability of 326 IAC 8-2-9 (Miscellaneous Metal Coating), and shall require prior approval by IDEM, the Office of Air Management.

(d) The requirement from the registration, issued on October 26, 1989, for the aircraft maintenance facility, including a spray booth capable of painting one unit (aircraft panel) per hour, a stripping area capable of paint stripping two units per hour, and a fiberglass shop capable of cutting and sanding one unit per hour in building 453, that any change or modification which may increase the potential emissions to 25 tons of particulate matter or volatile organic compounds (VOC) per year or more from the equipment covered in this letter must be approved by the Office of Air Management before such change may occur, is not incorporated into this permit because, although there have been no changes to the painting area in Building 453, calculated potential emissions are greater than 25 tons per year of VOC. The source has limited emissions to less than 25 tons per year. Therefore, there is a limitation on emissions of less 25 tons per year of VOC in (a) of this condition.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Any change or modification at the one (1) paint area, located in Nose Dock 6, that results in VOC emissions of 25 tons per year or more may result in the applicability of 326 IAC 8-1-6 (New Facilities; General reduction requirements), and shall require prior approval.

D.2.3 PSD Minor Modification [326 IAC 2-2] [40 CFR 52.21]

Any change or modification at the one (1) paint area, located in Nose Dock 3, or the one (1) paint area located in Nose Dock 6, that results in VOC emissions of 40 tons per year or more, PM emissions of 25 tons per year or more, or PM_{10} emissions of 15 tons per year or more will make the paint area a major modification to an existing major source, pursuant to 326 IAC 2-2, and will require prior approval.

D.2.4 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2, the PM from the one (1) spray paint booth located in building 453, the one (1) paint area located in Nose Dock 3 and the one (1) paint area located in Nose Dock 6 shall be limited by the following shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.5 Hazardous Air Pollutants (HAPs)

(a) The total HAP usage at the one (1) spray paint booth, located in building 453, one (1) paint area located in Nose Dock 3 and the one (1) paint area located in Nose Dock 6, shall be limited to no more than 17.6 tons per twelve (12) consecutive months, based on a monthly rolling total. This will result in total HAP emissions of no more than 17.3 tons per year from these facilities and total HAP emissions of less than 25 tons per year from the entire source.

(b) The combined total usage of each individual hazardous air pollutant at the one (1) spray paint room in building 453, one (1) paint area at Nose Dock 3, and one (1) paint area at Nose Dock 6 shall be limited to less than 9 tons per twelve (12) consecutive months, based on a monthly rolling total. The total usage of Methyl isobutyl ketone (MIBK) at the one (1) spray paint room in building 453, one (1) paint area at Nose Dock 3, and one (1) paint area at Nose Dock 6 shall be limited to less than 8.92 tons per twelve (12) consecutive months, based on a monthly rolling total, and the total usage of Hexane at the one (1) spray paint room in building 453, one (1) paint area at Nose Dock 3, and one (1) paint area at Nose Dock 6 shall be limited to less than 7.75 tons per twelve (12) consecutive months, based on a monthly rolling total. This will result in emissions of each individual hazardous air pollutant of less than 9 tons per year and total individual HAP emissions of less than 10 tons per year from the entire source.

As a result of these limitations, the requirements of 40 CFR Part 63, Subpart GG, are not applicable.

D.2.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements

D.2.7 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test these facilities by this permit. However, IDEM may require compliance testing when necessary to determine if the facilities are in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.2.4 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.2.8 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

Compliance with the VOC and HAP usage limitations contained in Conditions D.2.1, D.2.2, D.2.3 and D.2.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.2.9 VOC Emissions and HAP Emissions

(a) Compliance with Conditions D.2.1(a) and D.2.5 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period.

(b) Compliance with Condition D.2.1(b) shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound usage for each day in that month.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.10 Monitoring

(a) Weekly observations shall be made of the overspray from the surface coating stacks or emission points while the areas are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks or emission points and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.11 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1(a) and D.2.5, the Permittee shall maintain records at the one (1) spray paint booth located in building 453, one (1) paint area at Nose Dock 3, and one (1) paint area at Nose Dock 6 in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits established in Conditions D.2.1(a) and D.2.5.

(1) The amount and VOC and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month;

(4) The total VOC and HAP usage for each month; and

(5) The weight of VOCs and HAPs emitted for each compliance period.

(b) To document compliance with Condition D.2.1(b), the Permittee shall maintain records at the one (1) paint area located in Nose Dock 3, in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.2.1(b).

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each day;

(4) The total VOC usage for each day; and

(5) The weight of VOCs emitted for each compliance period.

(c) To document compliance with Condition D.2.10, the Permittee shall maintain a log of weekly overspray observations and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.12 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 and D.2.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Insignificant Activities

(f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. Several cold cleaner degreasing units using only non-halogenated solvents. [326 IAC 8-3-2][326 IAC 8-3-5]

(g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3]

(r) Grinding and machining operations controller with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3]

(s) Activities or categories of activities with HAP emissions greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs:

(1) Installation of compass and global positioning equipment and replacing radar equipment on Air Force planes in Nose Dock 2 (including painting operations). [326 IAC 6-3]

(t) Other activities or categories with emissions below insignificant thresholds:

(1) Four (4) media blasters, equipped with 99% efficient bag filters, operating an average of three (3) hours per day. [326 IAC 6-3]

(2) One (1) no. 2 fuel oil tank, identified as 600, installed in 1986, capacity: 12,000 gallons. [326 IAC 12][40 CFR 60.116b]

(3) One (1) no. 2 fuel oil tank, identified as 592A, installed in 1998, capacity: 15,000 gallons.[326 IAC 12][40 CFR 60.116b]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 Standards of Performance for Volatile Organic Liquid Storage Vessels [326 IAC 12][40 CFR 60.116b]

The one (1) no. 2 fuel oil tank, identified as 600, and the one (1) no. 2 fuel oil tank, identified as 592A, shall comply with the New Source Performance Standards (NSPS), 326 IAC 12 (40 CFR Part 60.116b, Subpart Kb). 40 CFR Part 60.116b paragraphs (a) and (b) require the Permittee to maintain accessible records showing the dimension of each storage vessel and an analysis showing the capacity of the storage vessel. Records shall be kept for the life of the storage tanks.

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the cold cleaner operations constructed after January 1, 1980 and prior to January 1, 1990 shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.6.4 Particulate Matter (PM) [326 IAC 6-3]

(a) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the paint operations in Nose Dock 2 shall not exceed allowable PM emission rate based on the following equations:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the grinding and machining operations, four (4) media blasters, and the brazing, cutting , soldering, and welding shall not exceed allowable PM emission rate based on the following equations:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

or

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
Part 70 Quarterly Report

Source Name: Grissom Air Reserve Base
Source Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Mailing Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Part 70 Permit No.: T 103-7426-00008
Facility: One (1) paint area, located in Nose Dock 3
Parameter: VOC usage
Limit: Less than 15 pounds per day

Months:_____ **Year:** _____

Day	Month 1	Month 2	Month 3	Day	Month 1	Month 2	Month 3
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16				no. of deviations			

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by:

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Grissom Air Reserve Base
Source Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Mailing Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Part 70 Permit No.: T 103-7426-00008
Facility: One (1) spray paint booth, located in building 453, one (1) paint area in Nose Dock 3 and one (1) paint area in Nose Dock 6
Parameter: Total HAP usage
Limit: Less than 17.6 tons per consecutive twelve (12) month period, based on a monthly rolling total

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Grissom Air Reserve Base
Source Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Mailing Address: 434 ARW/CC, Building 667, Grissom Air Reserve Base, IN 46971-5000
Part 70 Permit No.: T 103-7426-00008
Facility: One (1) spray paint booth, located in building 453, one (1) paint area in Nose Dock 3 and one (1) paint area in Nose Dock 6
Parameter: Individual HAP usage
Limit: Less than 9 tons per consecutive twelve (12) month period, based on a monthly rolling total, less than 8.92 tons of Methyl isobutyl ketone (MIBK) per consecutive twelve (12) month period, based on a monthly rolling total, and less than 7.75 tons of Hexane per consecutive twelve (12) month period, based on a monthly rolling total

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this month.

9 Deviation/s occurred in this month.

Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____